

Data Validation Checklist Inorganic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA
 Method: SW-846 6010C and 7471B
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett / Martha Meyers-Lee

Project No: 15268508.20000
 Job ID.: 680-87496-5
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date(s) Collected: 02/13/2013
 Date: 03/06/2013
 Date: 03/28/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.57 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.48 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10 th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?		✓		Target analytes were not detected in any method blank. Arsenic was detected at concentrations below the reporting limit during the SW-846 6010 analysis	

¹ Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
11. Were target analytes reported in equipment/rinsate blanks analyses above the DL?		✓		of calibration blanks. According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank (021213-RB-Shovel (680-87447-31)) was collected for the week of February 11, 2013. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank that was collected on February 12, 2013 and all results were reported Job ID 680-87447-3.	
12. Were contaminants detected in samples below the blank contamination action level? <ul style="list-style-type: none"> ○ If blank result > RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and $\leq 10 \times$ blank result, as J+ positive results ○ If blank result \leq RL, <ul style="list-style-type: none"> • Flag sample results \leq RL with a U • Flag positive sample results > RL and $\leq 10 \times$ blank result, as J+ positive results 		✓		Qualification of data due to the presence of calibration blank contamination is not warranted, as all blank results were significantly less than that detected in samples.	
13. Are there negative laboratory blank results with the absolute value \leq RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? <ul style="list-style-type: none"> ○ 6010C: <ul style="list-style-type: none"> • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed ○ 7471B: <ul style="list-style-type: none"> • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run 	✓			Soil: <ul style="list-style-type: none"> • 6010C: 02/21/2013. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 7471B: 02/19/13. 6-Point ICAL. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
17. Were these results within lab/project specifications? <ul style="list-style-type: none"> ○ 6010C <ul style="list-style-type: none"> • ICV/CCV (Criteria: 90-110%R): <ul style="list-style-type: none"> ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): <ul style="list-style-type: none"> ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results $\leq 2x$ RL and J flag positive results $>2x$ RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results $<2x$ RL and ND, respectively ▪ If CRI %R >130% and $\leq 180\%$ (>150%, but $\leq 200\%$ for Sb, Pb, TL), then J+ flag positive results $<2x$ RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results ○ 7471B <ul style="list-style-type: none"> • ICV/CCV (Criteria: 80-120%R): <ul style="list-style-type: none"> ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): <ul style="list-style-type: none"> ▪ If CRI %R <50, then R flag results $\leq 2x$ RL and J flag positive results $>2x$ RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results $<2x$ RL and ND, respectively ▪ If CRI %R >130% and $\leq 180\%$, then J+ flag positive results $<2x$ RL ▪ If CRI %R >180%, then R flag positive result 	✓			Mercury correlation coefficients (raw data): ICAL of 02/19/13: 0.9997481 (page 131)	
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: <ul style="list-style-type: none"> ○ If >120%R (or >true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ If <50%R, J- flag positive results and R-flag non-detects 	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? <ul style="list-style-type: none"> ○ Soil: <ul style="list-style-type: none"> • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects ○ Aqueous: <ul style="list-style-type: none"> • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results 	✓				
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits ($\leq 20\%$ RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none"> • 6010C, Prep Batch 266679: 680-87496-28 (CV0971QQ-CS), MS/MSD • 7471B: <ul style="list-style-type: none"> ○ Prep Batch 266444: 680-87496-28 (CV0971QQ-CS), MS/MSD ○ Prep Batch 266804: 680-87545-1 (Batch sample), MS/MSD 	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			6010C: 680-87496-28 (CV0971QQ-CS)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated</i></p> <p>If not,</p> <ul style="list-style-type: none"> ○ 6010C: <ul style="list-style-type: none"> • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results • If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results ○ 7471B: <ul style="list-style-type: none"> • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results 		✓		<p>CV0971QQ-CS (680-87496-28):</p> <ul style="list-style-type: none"> • Arsenic MS and MSD @ 144 and 169%R (75-125), respectively. PDS @ 109%R. Flag result with J. • Barium MS and MSD @ -1289 and -1437%R (75-125), respectively. The native sample concentration is greater than 4x the MS/MSD spiking level; therefore, an evaluation of interference is not possible based on MS/MSD results. PDS recovery met acceptance criteria. • Chromium MSD @ 338%R (75-125). The PDS recovery met acceptance criteria. Qualification of data is not required, because the MS %R (113) is within acceptance criteria. • Lead MS and MSD @ 340 and 119%R (75-125), respectively. The PDS recovery met acceptance criteria. The native sample concentration is greater than 4x the MS/MSD/PDS spiking level; therefore, an evaluation of interference is not possible. • Selenium MS and MSD @ 69 and 67%R (75-125), respectively. PDS @ 104%R. Flag result with UJ. • Mercury MS and MSD @ 49 and 2%R (80-120), respectively. Flag result with J-. 	J/UJ/J-
<p>27. Were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated</i></p> <ul style="list-style-type: none"> ○ If RPD >20%, J and UJ flag positive and non-detect results. 		✓		CV0971QQ-CS (680-87496-28): Chromium MS/MSD RPD @ 38% (≤20). Flag result with J.	J
28. Was a serial dilution conducted for 6010C?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓			6010C: 680-87496-28 (CV0971QQ-CS)	
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
concentrations greater than 50x the DL)? <i>Only QC results for project samples that are reported under this Job ID are evaluated</i>					
<ul style="list-style-type: none"> If %D >10, J and UJ flag positive and non-detect results, respectively. 					
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? <i>Only QC results for project samples that are reported under this Job ID are evaluated</i>			✓		
<ul style="list-style-type: none"> If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively 					
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Attachment B (Case Narrative)	
Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review</i> (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (Attachment C). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment					

DV Flag Definitions:

- J- The result is an estimated quantity, but the result may be biased low.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-87496-28	CV0971QQ-CS	Solid	02/13/13 11:28	02/15/13 09:42
680-87496-30	CV0971SS-CS	Solid	02/13/13 11:35	02/15/13 09:42
680-87496-31	CV0971TT-CS	Solid	02/13/13 11:38	02/15/13 09:42
680-87496-41	CV0971VV-CS	Solid	02/13/13 13:45	02/15/13 09:42
680-87496-43	CV0971WW-CS	Solid	02/13/13 14:07	02/15/13 09:42
680-87496-45	CV0971YY-CS	Solid	02/13/13 14:15	02/15/13 09:42
680-87496-70	Unnamed Tributary Bank-A	Solid	02/13/13 14:35	02/15/13 09:42
680-87496-71	Unnamed Tributary Grab-A	Solid	02/13/13 13:40	02/15/13 09:42
680-87496-72	Unnamed Tributary SD-A	Solid	02/13/13 14:30	02/15/13 09:42
680-87496-73	Unnamed Tributary Bank-B	Solid	02/13/13 13:40	02/15/13 09:42
680-87496-74	Unnamed Tributary Grab-B	Solid	02/13/13 13:50	02/15/13 09:42
680-87496-75	Unnamed Tributary SD-B	Solid	02/13/13 14:00	02/15/13 09:42
680-87496-76	Unnamed Tributary SD-C	Solid	02/13/13 13:30	02/15/13 09:42
680-87496-77	CV0971QQ-CS (sieve)	Solid	02/13/13 11:28	02/15/13 09:42
680-87496-78	CV0971SS-CS (sieve)	Solid	02/13/13 11:35	02/15/13 09:42
680-87496-79	CV0971TT-CS (sieve)	Solid	02/13/13 11:38	02/15/13 09:42
680-87496-80	CV0971VV-CS (sieve)	Solid	02/13/13 13:45	02/15/13 09:42
680-87496-81	CV0971WW-CS (sieve)	Solid	02/13/13 14:07	02/15/13 09:42
680-87496-82	CV0971YY-CS (sieve)	Solid	02/13/13 14:15	02/15/13 09:42

ATTACHMENT B

CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Job ID: 680-87496-5

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87496-5

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/15/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.2° C and 5.8° C.

METALS (ICP)

Samples CV0971QQ-CS (680-87496-28), CV0971SS-CS (680-87496-30), CV0971TT-CS (680-87496-31), CV0971VV-CS (680-87496-41), CV0971WW-CS (680-87496-43), CV0971YY-CS (680-87496-45), Unamed Tributary Bank-A (680-87496-70), Unamed Tributary Grab-A (680-87496-71), Unamed Tributary SD-A (680-87496-72), Unamed Tributary Bank-B (680-87496-73), Unamed Tributary Grab-B (680-87496-74), Unamed Tributary SD-B (680-87496-75), Unamed Tributary SD-C (680-87496-76), CV0971QQ-CS (sieve) (680-87496-77), CV0971SS-CS (sieve) (680-87496-78), CV0971TT-CS (sieve) (680-87496-79), CV0971VV-CS (sieve) (680-87496-80), CV0971WW-CS (sieve) (680-87496-81) and CV0971YY-CS (sieve) (680-87496-82) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 02/19/2013 and analyzed on 02/21/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0971QQ-CS (680-87496-28) in batch 680-267109. Also, Chromium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0971QQ-CS (680-87496-28), CV0971SS-CS (680-87496-30), CV0971TT-CS (680-87496-31), CV0971VV-CS (680-87496-41), CV0971WW-CS (680-87496-43), CV0971YY-CS (680-87496-45), Unamed Tributary Bank-A (680-87496-70), Unamed Tributary Grab-A (680-87496-71), Unamed Tributary SD-A (680-87496-72), Unamed Tributary Bank-B (680-87496-73), Unamed Tributary Grab-B (680-87496-74), Unamed Tributary SD-B (680-87496-75), Unamed Tributary SD-C (680-87496-76), CV0971QQ-CS (sieve) (680-87496-77), CV0971SS-CS (sieve) (680-87496-78), CV0971TT-CS (sieve) (680-87496-79), CV0971VV-CS (sieve) (680-87496-80), CV0971WW-CS (sieve) (680-87496-81) and CV0971YY-CS (sieve) (680-87496-82) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 02/15/2013 and 02/20/2013 and analyzed on 02/19/2013 and 02/22/2013.

Mercury recovered outside the recovery criteria low for the MS/MSD of sample CV0971QQ-CS (680-87496-28) in batch 680-266841. Mercury exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Job ID: 680-87496-5 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

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ATTACHMENT C
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: CV0971QQ-CS

Lab Sample ID: 680-87496-28

Date Collected: 02/13/13 11:28

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 61.2

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34	J	3.2	0.95	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1
Barium	580		1.6	0.48	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1
Cadmium	3.6		0.80	0.16	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1
Chromium	55	J	1.6	0.80	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1
Lead	370		1.6	0.85	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1
Selenium	4.0	U J	4.0	1.6	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1
Silver	0.36	J	1.6	0.15	mg/Kg	☆	02/19/13 09:56	02/21/13 19:34	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.46	J-	0.028	0.012	mg/Kg	☆	02/15/13 16:18	02/19/13 14:38	1

Client Sample ID: CV0971SS-CS

Lab Sample ID: 680-87496-30

Date Collected: 02/13/13 11:35

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 68.8

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	44		2.8	0.83	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1
Barium	300		1.4	0.42	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1
Cadmium	3.4		0.71	0.14	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1
Chromium	59		1.4	0.71	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1
Lead	390		1.4	0.75	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1
Selenium	3.5	U	3.5	1.4	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1
Silver	0.43	J	1.4	0.14	mg/Kg	☆	02/19/13 09:56	02/21/13 20:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.30		0.025	0.010	mg/Kg	☆	02/15/13 16:18	02/19/13 14:45	1

Client Sample ID: CV0971TT-CS

Lab Sample ID: 680-87496-31

Date Collected: 02/13/13 11:38

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 90.1

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	32		2.1	0.62	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1
Barium	240		1.1	0.32	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1
Cadmium	2.1		0.53	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1
Chromium	45		1.1	0.53	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1
Lead	280		1.1	0.56	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1
Selenium	2.6	U	2.6	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1
Silver	0.24	J	1.1	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 20:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.019	0.0080	mg/Kg	☆	02/15/13 16:18	02/19/13 14:47	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: CV0971VV-CS

Lab Sample ID: 680-87496-41

Date Collected: 02/13/13 13:45

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 93.0

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	36		2.0	0.59	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1
Barium	210		1.0	0.30	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1
Cadmium	2.5		0.50	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1
Chromium	46		1.0	0.50	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1
Lead	340		1.0	0.53	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1
Selenium	2.5	U	2.5	1.0	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1
Silver	0.34	J	1.0	0.096	mg/Kg	☆	02/19/13 09:56	02/21/13 20:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.022	0.0088	mg/Kg	☆	02/15/13 16:18	02/19/13 14:50	1

Client Sample ID: CV0971WW-CS

Lab Sample ID: 680-87496-43

Date Collected: 02/13/13 14:07

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 78.3

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24		2.4	0.70	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1
Barium	290		1.2	0.35	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1
Cadmium	3.2		0.59	0.12	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1
Chromium	50		1.2	0.59	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1
Lead	530		1.2	0.63	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1
Silver	0.47	J	1.2	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 20:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.022	0.0089	mg/Kg	☆	02/15/13 16:18	02/19/13 14:57	1

Client Sample ID: CV0971YY-CS

Lab Sample ID: 680-87496-45

Date Collected: 02/13/13 14:15

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 90.7

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	28		2.2	0.64	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1
Barium	190		1.1	0.33	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1
Cadmium	1.2		0.55	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1
Chromium	34		1.1	0.55	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1
Lead	200		1.1	0.58	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1
Silver	0.13	J	1.1	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 20:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.020	0.0082	mg/Kg	☆	02/15/13 16:18	02/19/13 15:00	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: Unamed Tributary Bank-A

Lab Sample ID: 680-87496-70

Date Collected: 02/13/13 14:35

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 79.4

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		2.4	0.69	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1
Barium	150		1.2	0.35	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1
Cadmium	0.59	U	0.59	0.12	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1
Chromium	23		1.2	0.59	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1
Lead	37		1.2	0.62	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1
Silver	1.2	U	1.2	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 20:47	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.022	0.0089	mg/Kg	☆	02/15/13 16:18	02/19/13 15:02	1

Client Sample ID: Unamed Tributary Grab-A

Lab Sample ID: 680-87496-71

Date Collected: 02/13/13 13:40

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 68.4

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		2.5	0.75	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1
Barium	220		1.3	0.38	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1
Cadmium	6.5		0.64	0.13	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1
Chromium	77		1.3	0.64	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1
Lead	350		1.3	0.67	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1
Selenium	3.2	U	3.2	1.3	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1
Silver	0.96	J	1.3	0.12	mg/Kg	☆	02/19/13 09:56	02/21/13 20:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.35		0.026	0.011	mg/Kg	☆	02/15/13 16:18	02/19/13 15:05	1

Client Sample ID: Unamed Tributary SD-A

Lab Sample ID: 680-87496-72

Date Collected: 02/13/13 14:30

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 90.0

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	25		2.1	0.63	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1
Barium	200		1.1	0.32	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1
Cadmium	1.5		0.53	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1
Chromium	50		1.1	0.53	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1
Lead	130		1.1	0.57	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1
Silver	0.14	J	1.1	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 21:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.022	0.0089	mg/Kg	☆	02/15/13 16:18	02/19/13 15:07	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: Unamed Tributary Bank-B

Lab Sample ID: 680-87496-73

Date Collected: 02/13/13 13:40

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 83.6

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	53		2.2	0.65	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1
Barium	210		1.1	0.33	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1
Cadmium	1.3		0.55	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1
Chromium	57		1.1	0.55	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1
Lead	160		1.1	0.59	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1
Silver	1.1	U	1.1	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 21:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.021	0.0085	mg/Kg	☆	02/15/13 16:18	02/19/13 15:09	1

Client Sample ID: Unamed Tributary Grab-B

Lab Sample ID: 680-87496-74

Date Collected: 02/13/13 13:50

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 67.5

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		2.8	0.84	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1
Barium	170		1.4	0.43	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1
Cadmium	5.2		0.71	0.14	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1
Chromium	70		1.4	0.71	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1
Lead	320		1.4	0.75	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1
Selenium	3.6	U	3.6	1.4	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1
Silver	0.94	J	1.4	0.14	mg/Kg	☆	02/19/13 09:56	02/21/13 21:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.39		0.028	0.012	mg/Kg	☆	02/15/13 16:18	02/19/13 15:12	1

Client Sample ID: Unamed Tributary SD-B

Lab Sample ID: 680-87496-75

Date Collected: 02/13/13 14:00

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 85.2

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		2.1	0.61	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1
Barium	150		1.0	0.31	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1
Cadmium	1.7		0.52	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1
Chromium	56		1.0	0.52	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1
Lead	96		1.0	0.55	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1
Selenium	2.6	U	2.6	1.0	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1
Silver	1.0	U	1.0	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 21:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.021	0.0084	mg/Kg	☆	02/15/13 16:18	02/19/13 15:14	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: Unamed Tributary SD-C

Lab Sample ID: 680-87496-76

Date Collected: 02/13/13 13:30

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 70.3

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		2.7	0.80	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1
Barium	230		1.4	0.41	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1
Cadmium	3.0		0.68	0.14	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1
Chromium	76		1.4	0.68	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1
Lead	170		1.4	0.72	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1
Selenium	3.4	U	3.4	1.4	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1
Silver	0.36	J	1.4	0.13	mg/Kg	☆	02/19/13 09:56	02/21/13 21:24	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.025	0.010	mg/Kg	☆	02/15/13 16:18	02/19/13 15:17	1

Client Sample ID: CV0971QQ-CS (sieve)

Lab Sample ID: 680-87496-77

Date Collected: 02/13/13 11:28

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 91.2

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	37		2.2	0.64	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1
Barium	270		1.1	0.33	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1
Cadmium	2.9		0.54	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1
Chromium	52		1.1	0.54	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1
Lead	320		1.1	0.58	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1
Silver	0.39	J	1.1	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 21:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42		0.019	0.0076	mg/Kg	☆	02/20/13 10:46	02/22/13 17:02	1

Client Sample ID: CV0971SS-CS (sieve)

Lab Sample ID: 680-87496-78

Date Collected: 02/13/13 11:35

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 85.7

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	39		2.3	0.68	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1
Barium	290		1.2	0.35	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1
Cadmium	3.6		0.58	0.12	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1
Chromium	57		1.2	0.58	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1
Lead	390		1.2	0.61	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1
Silver	0.49	J	1.2	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 21:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.36		0.022	0.0092	mg/Kg	☆	02/20/13 10:46	02/22/13 17:04	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: CV0971TT-CS (sieve)

Lab Sample ID: 680-87496-79

Date Collected: 02/13/13 11:38

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 92.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	39		2.1	0.61	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1
Barium	260		1.0	0.31	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1
Cadmium	2.6		0.52	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1
Chromium	54		1.0	0.52	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1
Lead	320		1.0	0.55	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1
Selenium	2.6	U	2.6	1.0	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1
Silver	0.42	J	1.0	0.10	mg/Kg	☆	02/19/13 09:56	02/21/13 21:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34		0.020	0.0081	mg/Kg	☆	02/20/13 10:46	02/22/13 17:07	1

Client Sample ID: CV0971VV-CS (sieve)

Lab Sample ID: 680-87496-80

Date Collected: 02/13/13 13:45

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 84.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	43		2.2	0.65	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1
Barium	280		1.1	0.33	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1
Cadmium	3.5		0.55	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1
Chromium	53		1.1	0.55	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1
Lead	450		1.1	0.59	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1
Silver	0.33	J	1.1	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 22:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.29		0.021	0.0085	mg/Kg	☆	02/20/13 10:46	02/22/13 17:09	1

Client Sample ID: CV0971WW-CS (sieve)

Lab Sample ID: 680-87496-81

Date Collected: 02/13/13 14:07

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 85.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		2.2	0.66	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1
Barium	300		1.1	0.33	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1
Cadmium	3.0		0.56	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1
Chromium	52		1.1	0.56	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1
Lead	510		1.1	0.59	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1
Selenium	2.8	U	2.8	1.1	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1
Silver	0.45	J	1.1	0.11	mg/Kg	☆	02/19/13 09:56	02/21/13 22:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.020	0.0081	mg/Kg	☆	02/20/13 10:46	02/22/13 17:12	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-5
SDG: 68087496-5

Client Sample ID: CV0971YY-CS (sieve)

Lab Sample ID: 680-87496-82

Date Collected: 02/13/13 14:15

Matrix: Solid

Date Received: 02/15/13 09:42

Percent Solids: 82.5

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.3	0.67	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Barium	320		1.1	0.34	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Cadmium	2.0		0.57	0.11	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Chromium	42		1.1	0.57	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Lead	270		1.1	0.61	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Selenium	2.9	U	2.9	1.1	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Silver	0.18	J	1.1	0.11	mg/Kg	✱	02/19/13 09:56	02/21/13 22:13	1
Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.022	0.0089	mg/Kg	✱	02/20/13 10:46	02/22/13 17:19	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)